



Trident CAT5e UTP LSZH



Key Features

- LSZH Sheath
- 305mtr box
- Sheath Colours: Blue, Brown, Green, Orange, Pink, Red, Violet, Yellow, White
- UTP Shield
- Metre Marked
- Solid Wire 23 AWG
- 30 Year System Warranty Available

Cable Type:

CAT5e UTP LSZH

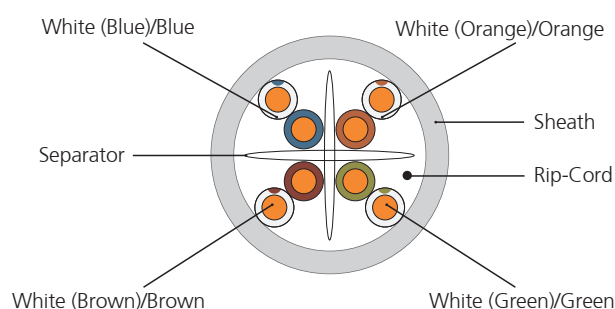
Part No: See Page 2.

General Description:

Suitable for internal runs, and all installations requiring performances up to 100MHz.

Relevant Standards:

ISO/IEC11801, TIA-568-C.2



Cable Construction:

Material Breakdown:

Conductor	Material	Solid Bare Copper
	Nom. O.D. (mm)	0.550 up +0.005 0.550 down -0.005
Insulation	HDPE	Diameter: 0.98±0.05mm
Sheath	Thickness	0.55 ± 0.05mm
	External O.D.	6.1 + 0.4mm
	Surface	Clean, Frap, Satiation
	Material	LSZH (complies RoHS)
	Colour	T.B.D.
Surface Printing	Letter Height	3.0 ± 0.3mm
	Colour	Black
	Print Error & Space	<+ 0.5%, 1m
Core Colour	1 White-Blue /Blue	2 White-Orange /Orange
	3 White-Green /Green	4 White-Brown /Brown
Packaging	Wooden Tray & Carton	
	Packing Length: 305m +/- 1.5m	
	Rip Cord: Yes	Drain Wire: No

Part Numbers:

TRI-000164	Cat5e UTP LSZH Violet – 305m
TRI-000782	Cat5e UTP LSZH Yellow – 305m
TRI-000183	Cat5e UTP LSZH Red – 305m
TRI-000605	Cat5e UTP LSZH White – 305m
TRI-000319	Cat5e UTP LSZH Green – 305m
TRI-000204	Cat5e UTP LSZH Orange – 305m
TRI-000783	Cat5e UTP LSZH Blue – 305m
TRI-002442	Cat5e UTP LSZH Pink – 305m
TRI-002443	Cat5e UTP LSZH Brown – 305m

Sheath Physical Properties:

Before Aging Tensile Strength (Mpa)	≥10.0	
Elongation (%)	≥125	
Aging Period (°C x hrs.)	100°C x 24h x 7d	
After Aging Tensile Strength (Mpa)	>8.0	
After Aging Elongation (%)	≥100	
Cold bend (-20±2°C x 4h)	8 x Cable O.D.	No visible cracks

Electrical Characteristics (20°C):

1.0-100.0 MHz	Impedance (Ω) 100±15
1.0-100.0 MHz	Delay Skew (ns/100m) <45
DC Resistance (Ω /100m) max	9.38
DC Conductor Resistance Unbalance (%)max	5.0

Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≥dB	Phase Delay ≤ns
1	20.0	2.45	570.00
4	23.0	4.86	552.00
8	24.5	6.92	546.73
10	25.0	7.76	545.38
16	25.0	9.90	543.00
20	25.0	11.12	542.05
25	24.3	12.50	541.20
31.25	23.6	14.07	540.44
62.5	21.5	20.39	538.55
100	32.3	26.37	537.60

Frequency (MHz)	PSNEXT >dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	62.3	63.8	60.8
4	53.3	51.8	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8